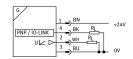
## Position transmitter SDAT-MHS-M50-1L-SV-E-0.3-M8

Part number: 8115394







## **Data sheet**

Feature	Value
Design	for T-slot
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
Note on materials	RoHS-compliant Halogen-free
Application note	https://www.festo.com/Drive-Sensor-Overview
Measured variable	Position
Measuring principle	Magnetic Hall
Sensing range	0 mm50 mm
Ambient temperature	-25 °C70 °C
Typical sampling interval	1 ms
Max. travel speed	3 m/s
Displacement resolution	0.05 mm
Repetition accuracy	0.1 mm
Switching output	PNP
Switching element function	N/C contact/N/O contact switchable
On time	2 ms
Switch-off time	2 ms
Max. switching frequency	1 kHz
Max. output current	100 mA
Max. switching capacity DC	2.7 W
Voltage drop	2.5 V
Analog output	0 - 10 V
Sensitivity	0.18 V/mm
Typical linearity error	±0.25 mm
Min. load resistance of voltage output	20 kOhm
Short-circuit protection	yes
Overload protection	Available
Protocol	I-Port IO-Link®

O-Link®, profile O-Link®, function classes Binary data channet (BDC) Process cats variable (PDV) Binary data channet (BDC) D-Link®, port class O-Link®, process data width IN O-Link®, process data content IN Abt BDC (position measurement) Abt BDC (po	Feature	Value
Binary data channel (BDC)   Process data variable (PDV)   Identification   Diagnostics   Teach channel   COM   230 A R8d)	IO-Link®, protocol version	Device V 1.1
Process data variable (PDV) Identification Diagnostics Teach channel O-Link®, SIO mode support O-Link®, process data width IN O-Link®, minimum cycle time Ins O-O-Link®, minimum cycle time O-Coperating voltage range ISV—30 V Seed to the BOC (position measurement) A the BOC (posi	IO-Link®, profile	Smart sensor profile
O Link®, \$10 mode support O Link®, process data width IN 2 byte O-Link®, process data width IN 2 byte O-Link®, process data content IN 4 bit BDC (position measurement) 4 bit BDC (position monitoring) O-Link®, minimum cycle time 1 ms D coperating voltage range 15 V30 V Seciliar Inspire 10 % Reverse polarity protection For all electrical connections Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection tenhology Electrical connection 1, umber of pins/wires 4 Electrical connection 1, umber of pins/wires 4 Electrical connection 1, umber of pins/wires 4 Electrical connection 1, pumber o	IO-Link®, function classes	Process data variable (PDV) Identification Diagnostics
O-Link®, port class O-Link®, process data width IN O-Link®, minimum cycle time Ins D-Coperating voltage range IS-V30 V Residual ripple Process data width plug Reverse polarity protection For all electrical connection I, connection type Cable with plug Reverse polarity protection For all electrical connection I, connection type Reverse polarity protection Reverse polarity protection For all electrical connection I, connection technology Reverse polarity protection I, connection technology Reverse polarity protection	IO-Link®, communication mode	COM3 (230.4 kBd)
O-Link®, process data width IN O-Link®, process data width IN O-Link®, process data content IN 12 bit PDV (position measurement) A bit BDC (position monitoring) O-Link®, minimum cycle time 1 ms O-Deperating voltage range 15 V30 V Residual ripple 10 % Reverse polarity protection 1 for all electrical connections Electrical connection 1, connection type Electrical connection 1, connection technology Reverse polarity protection 1 connection 1, proper of mounting Connection 2, proper alloy Confidence of proper alloy Confid	IO-Link®, SIO mode support	Yes
O-Link®, process data content IN  a bit BDC (position measurement) a bit BDC (position measurement) a bit BDC (position measurement) a bit BDC (position monitoring)  O-Link®, minimum cycle time  1 ms  15 V., 30 V  Residual ripple  10 %  Reverse polarity protection  For all electrical connections  Electrical connection 1, connection type  Electrical connection 1, connection type  Electrical connection 1, connection type  Electrical connection 1, number of pins/wires 4  Electrical connection 1, type of mounting  Connection outlet orientation  Longitudinal  Material of pin contacts  Copper alloy Gold-plated  Floward strength as per Festo standard Torsional resistance; 300 000 cycles, ±270°/0.1 m Energy chain > 5 million cycles, bending radius 28 mm  Cable length  0.3 m  Cable characteristic  Suitable for energy chains/robot applications  Color cable sheath  Gray  Material of cable sheath  TPE-U(PUR)  Material of cable sheath  TPE-U(PUR)  Mounting position  Any  Product weight  19 g  Brass, nickel-plated PA reinforced PA reinforced PA Polyester High alloy stainless steel  Material of union nut  Brass, nickel plated PA reinforced PA Polyester High alloy stainless steel  Material of union nut Brass, nickel plated PA reinforced PA plated PA reinforced Polyester High alloy stainless steel  Material of union nut Brass, nickel plated PA reinforced Polyester High alloy stainless steel  Material of union nut Brass, nickel plated PA reinforced Polyester High alloy stainless steel  Material of union nut Brass, nickel plated PA reinforced Polyester High alloy stainless steel  Material of union nut Brass, nickel plated PA reinforced Polyester High alloy stainless steel  Material of union nut Brass, nickel plated PA reinforced Polyester High alloy stainless steel  Material of union nut Brass, nickel plated PA reinforced Polyester High alloy stainless steel  Material of union nut Brass, nickel plated PA reinforced Polyester High alloy stainless steel  Material of union nut Brass, nickel plated PA reinforced Polyester High alloy	IO-Link®, port class	A
A bit BDC (position monitoring)	IO-Link®, process data width IN	2 Byte
DC operating voltage range 15 V30 V Residual ripple 10 % Reverse polarity protection Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, type of mounting Screw-type lock Connection outlet orientation Material of pin contacts Copper alloy Gold-plated Connector cable test conditions Flexural strength: as per Festo standard Torsional resistance: 300 000 cycles, 270°/0.1 m Energy chains 5 million cycles, bending radius 28 mm Cable length 0.3 m Energy chains 5 million cycles, bending radius 28 mm Cable length 0.3 m Suitable for energy chains/robot applications Color cable sheath FPE-U(PUR) Type of mounting Screwed tightly Can be inserted in slot from above Mounting position Any Product weight 19 g Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel Ready status indication ELED green Suitching status indication ELED green Setting options Unitable for energy chains/robot applications Color cable sheath TPE-U(PUR) Type of mounting Car be inserted in slot from above Mounting position Any Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel ELED green Suitching status indication ELED green Suitching status indication ELED green Setting options Unitable for the production of Li-ion batteries Wealth Screwer Suitchel plated FPE-S F	IO-Link®, process data content IN	
Residual ripple 10 % Reverse polarity protection 5 for all electrical connections Electrical connection 1, connection type Electrical connection 1, connection technology Mexi A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 4 Electrical connection 1, number of pins/wires 4 Electrical connection 1, pup of mounting Screw-type lock Connection outlet orientation Material of pin contacts Copper alloy Gold-plated Connector cable test conditions Flexural strength: as per festo standard Torsional resistance: 3 300 000 cycles, 270°/0.1 m Energy chain 5 million cycles, bending radius 28 mm Cable length 0,3 m Energy chain 5 million cycles, bending radius 28 mm Cable length Gray Material of cable sheath Gray Material of cable sheath TPE-U(PUR) Screwed tightly Can be inserted in slot from above Mounting position Any Product weight 19 g Brass, nickel-plated PA-reinforced Polyester High alloy stainless steel Material of union nut Brass, nickel-plated PA-reinforced Polyester High alloy stainless steel EED red Setting options LED green Setting options LED red Setting options Metals indication LED green LED red LED red LED red LED red LED red LED red Metals (White) Conformity VDMA24364-B2-L Metals (Fin metals) electrical plug connectors and colls  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated from use. Exceptions are nickel in steel, chemically nickel-plated from use. Exceptions are nickel in steel, chemically nickel-plated from use. Exceptions are nickel in steel, chemically nickel-plated from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and colls  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and colls	IO-Link®, minimum cycle time	1 ms
Reverse polarity protection for all electrical connections Electrical connection 1, connection type Electrical connection 1, connection technology  M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires  4 Electrical connection 1, type of mounting Screw-type lock Connection outlet orientation  Material of pin contacts Copper alloy Gold-plated Connector cable test conditions Flexural strength: as per Festo standard Torsional resistance: 300 000 cycles, ±270°/0.1 m Energy chain > 5 million cycles, bending radius 28 mm  O.3 m  Cable length O.3 m  Cable sheath Gray  Material of cable sheath Fre-UPUR) Type of mounting Screwed tightly Can be inserted in slot from above  Mounting position Any Product weight Housing material Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Material of union nut Elim material Ready status indication ELD green Switching status indication ELD green Setting options  Ambient temperature with flexible cable installation Degree of protection Pie68 LABS (PWIS) conformity  Wethause Are in the exceptions are nickel in steel, chemically nickel-plated form use, Exceptions are nickel in steel, chemically nickel-plated form use, Exceptions are nickel in steel, chemically nickel-plated from use, Exceptions are nickel in steel, chemically nickel-plated from use, Exceptions are nickel in steel, chemically nickel-plated from use, Exceptions are nickel in steel, chemically nickel-plated from use, Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and colls	DC operating voltage range	15 V30 V
Electrical connection 1, connection type  Cable with plug  Max1 A coded as per EN 61076-2-104  Electrical connection 1, unmber of pins/wires  4  Electrical connection 1, type of mounting  Connection outlet orientation  Material of pin contacts  Copper alloy Gold-plated  Connector cable test conditions  Flexural strength: as per Festo standard Torsional resistance: 300 000 cycles. ±270°/0.1 m Energy chains 5 million cycles, bending radius 28 mm  Cable length  O.3 m  Cable characteristic  Suitable for energy chains/robot applications  Color cable sheath  Gray  Material of cable sheath  TPE-U(PUR)  Screwed tightly Can be inserted in slot from above  Mounting position  Any  Product weight  19 g  Brass, nickel-plated PA reinforced Polyester Polyester Polyester Haderial Ready status indication  EED green  Switching status indication  EED green  Setting options  Ambient temperature with flexible cable installation  Degree of protection  Metals with more than 1% copper, zin or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated  Material for the production of Li-ion batteries  Metals with more than 1% copper, zin or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated  Material for the production of Li-ion batteries  Metals with more than 1% copper, zin or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated  Materials with more than 1% copper, zin or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and colls  Metals with more than 1% copper, zin or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and colls	Residual ripple	10 %
Electrical connection 1, connection technology  M8x1 A-coded as per EN 61076-2-104  Electrical connection 1, number of pins/wires  4  Electrical connection 1, type of mounting  Screw-type lock  Connection cutter orientation  Material of pin contacts  Copper alloy Gold-plated  Connector cable test conditions  Electrical connector cable test conditions  Flexural strength: as per Festo standard Torsional resistance: > 300 000 cycles, ±270°/0.1 m Energy chain > 5 million cycles, bending radius 28 mm  Cable length  O.3 m  Cable characteristic  Suitable for energy chains/robot applications  Color cable sheath  TPE-U(PUR)  Type of mounting  Screwed tightly Can be inserted in slot from above  Mounting position  Any  Product weight  19 g  Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Material of union nut  Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Material  Brass nickel-plated  ED green  Switching status indication  LED green  Setting options  Ambient temperature with flexible cable installation  LED gred  Ambient temperature with flexible cable installation  Product weight  Product weight  Brass nickel-plated PA-reinforced Polyester High-alloy stainless steel  Brass nickel-plated PA-reinforced Polyester High-alloy stainless steel  Brass nickel-plated  Polyester High-alloy stainless steel  Brass nickel-plated  Polyester  Ready status indication  LED green  Setting options  Ambient temperature with flexible cable installation  Polyester  Polyester  Setting options  Ambient temperature with flexible cable installation  Polyester Polyester  Wetall with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Reverse polarity protection	
Electrical connection 1, number of pins/wires  Electrical connection 1, type of mounting  Screw-type lock  Connection outlet orientation  Material of pin contacts  Copper alloy Gold plated  Connector cable test conditions  Flexural strength: as per Festo standard Torsional resistance: > 300 000 cycles, ±270°/0.1 m Energy chain > 5 million cycles, bending radius 28 mm  O.3 m  Cable length  O.3 m  Cable length  Gold plated  Color cable sheath  Gray  Material of cable sheath  TPE-U(PUR)  Screwed tightly  Can be inserted in slot from above  Mounting position  Any  Product weight  19 g  Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Material of union nut  Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Material of union nut  EED green  Switching status indication  EED green  Switching status indication  EED green  Switching status indication  LED green  Setting options  Ambient temperature with flexible cable installation  Poegree of protection  Poegree of protection  Ple65 Ple68  LABS (PWIS) conformity  WDMA24364-B2-L  Sutability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated from use. Exceptions are nickel in steel, chemically nickel-plated from use. Exceptions are nickel in steel, chemically nickel-plated users, printed circuit boards, cables, electrical plug connectors and coils	Electrical connection 1, connection type	' '
Electrical connection 1, type of mounting Connection outlet orientation Material of pin contacts Connector cable test conditions Elexard strength: as per Festo standard Connector cable test conditions Flexural strength: as per Festo standard Consider the strength: as per Festo strength: a		·
Connection outlet orientation  Material of pin contacts  Copper alloy Gold-plated  Connector cable test conditions  Flexural strength: as per Festo standard Torsional resistance: >300 000 cycles, ±270°/0.1 m Energy chain > 5 million cycles, bending radius 28 mm  Cable length  0.3 m  Cable characteristic  Suitable for energy chains/robot applications  Color cable sheath  Gray  Material of cable sheath  TPE-UPUR)  Screwed tightly Can be inserted in slot from above  Mounting position  Any  Product weight  19 g  Housing material  Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Material of union nut  Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Seady status indication  LED green  Switching status indication  LED green  Setting options  Mounting temperature with flexible cable installation  2-20 °C70 °C  Degree of protection  IP65 IP68  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils		<u> </u>
Material of pin contacts  Copper alloy Gold-plated  Flexural strength: as per Festo standard Torsional resistance: > 300 000 cycles, ±270°/0.1 m Energy chain > 5 million cycles, bending radius 28 mm  Cable length  O.3 m  Cable length  Gold-plated  Flexural strength: as per Festo standard Torsional resistance: > 300 000 cycles, ±270°/0.1 m Energy chain > 5 million cycles, bending radius 28 mm  Cable characteristic  Suitable for energy chains/robot applications  Color cable sheath  Gray  Material of cable sheath  TPE-U(PUR)  Type of mounting  Screwed tightly Can be inserted in slot from above  Mounting position  Any  Product weight  19 g  Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Material of union nut  Brass, nickel-plated  Polyester High-alloy stainless steel  Ready status indication  LED green  Switching status indication  LED green  Switching status indication  LED green  Status indicator  LED red  Ol-Link© Pushbutton  Ambient temperature with flexible cable installation  -20 °C70 °C  Degree of protection  IP65 IP68  LABS (PWIS) conformity  VDMA24364-B2-L  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils		+ · · · · · · · · · · · · · · · · · · ·
Gold-plated Connector cable test conditions  Flexural strength: as per Festo standard Torsional resistance: > 300 000 cycles, ±270°/0.1 m Energy chain > 5 million cycles, bending radius 28 mm  Cable length  O.3 m  Cable characteristic  Suitable for energy chains/robot applications  Color cable sheath  Gray  Material of cable sheath  TPE-U(PUR)  Type of mounting  Screwed tightly Can be inserted in slot from above  Mounting position  Any  Product weight  19 g  Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Material of union nut  Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Material of union nut  EID green  Switching status indication  LED green  Switching status indication  LED red  Ol-Link⊗ Pushbutton  Ambient temperature with flexible cable installation  20 °C70 °C  Degree of protection  IP65 IP68  LABS (PWIS) conformity  WDMA24364-B2-L  Metals with more than 1 % copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils		
Torsional resistance: > 300 000 cycles, ±270°/0.1 m Energy chain > 5 million cycles, bending radius 28 mm  Cable length  Cable characteristic  Suitable for energy chains/robot applications  Color cable sheath  Gray  Material of cable sheath  TPE-U(PUR)  Screwed tightly Can be inserted in slot from above  Mounting position  Any  Product weight  19 g  Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Material of union nut  Brass, nickel-plated PA-reinforced Polyester High alloy stainless steel  Material  Ready status indication  LED green  Switching status indication  LED green  Status indicator  LED red  Ol-Link® Pushbutton  Ambient temperature with flexible cable installation  Degree of protection  IP65 IP65 IP65 IP65 Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils		Gold-plated
Cable characteristic  Color cable sheath  Gray  Material of cable sheath  TPE-U(PUR)  Type of mounting  Screwed tightly Can be inserted in slot from above  Mounting position  Any  Product weight  Housing material  Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Material of union nut  Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Material  ED green  Switching status indication  LED green  Setting options  Ican be inserted in slot from above  Mounting position  LED green  Setting of the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Connector cable test conditions	Torsional resistance: > 300 000 cycles, ±270°/0.1 m
Color cable sheath Material of cable sheath TPE-U(PUR) Type of mounting Screwed tightly Can be inserted in slot from above Mounting position Any Product weight 19 g Housing material Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel Material of union nut Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel Material of union nut EED green Switching status indication LED green Setting options LED red Setting options IO-Link® Pushbutton Ambient temperature with flexible cable installation Degree of protection Pfes LABS (PWIS) conformity VDMA24364-B2-L Suitability for the production of Li-ion batteries Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Cable length	0.3 m
Material of cable sheath TPE-U(PUR)  Screwed tightly Can be inserted in slot from above  Mounting position Any  Product weight 19 g Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Material of union nut Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Material of union nut Brass, nickel-plated Film material Polyester Ready status indication LED green  Switching status indication LED yellow  Status indicator LED red  Setting options Uo-Link® Pushbutton  Ambient temperature with flexible cable installation -20 °C70 °C Degree of protection PGS  Degree of protection PGS  LABS (PWIS) conformity  WDMA24364-B2-L  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Cable characteristic	Suitable for energy chains/robot applications
Screwed tightly Can be inserted in slot from above  Mounting position Any  Product weight 19 g Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Material of union nut Brass, nickel-plated Film material Polyester Ready status indication LED green Switching status indication LED red  Setting options Uo_Link® Pushbutton  Ambient temperature with flexible cable installation Pegree of protection Pegree of protection Pegree of protection Pegree of production of Li-ion batteries Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated Surfaces, printed circuit boards, cables, electrical plug connectors and coils	Color cable sheath	Gray
Can be inserted in slot from above  Mounting position  Any  Product weight  19 g  Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Material of union nut  Brass, nickel-plated Film material  Polyester Ready status indication  LED green  Switching status indication  LED yellow  Status indicator  LED red  Setting options  10-Link® Pushbutton  Ambient temperature with flexible cable installation  2-20 °C70 °C  Degree of protection  1P65 1P68  LABS (PWIS) conformity  VDMA24364-B2-L  Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Material of cable sheath	1 1
Product weight  Housing material  Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Material of union nut  Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Material of union nut  Brass, nickel-plated  Film material  Polyester  Ready status indication  LED green  Switching status indication  LED yellow  Status indicator  LED red  Setting options  IO-Link® Pushbutton  Ambient temperature with flexible cable installation  -20 °C70 °C  Degree of protection  IP65 IP68 IP68  LABS (PWIS) conformity  VDMA24364-B2-L  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Type of mounting	1 0 ,
Housing material  Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel  Material of union nut  Brass, nickel-plated Pelyester High-alloy stainless steel  Brass, nickel-plated Polyester Ready status indication  LED green Switching status indication  LED yellow  Status indicator  LED red  Setting options  IO-Link® Pushbutton  Ambient temperature with flexible cable installation  -20 °C70 °C  Degree of protection  IP65 IP68  LABS (PWIS) conformity  VDMA24364-B2-L  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Mounting position	
PA-reinforced Polyester High-alloy stainless steel  Material of union nut  Brass, nickel-plated  Film material  Polyester  Ready status indication  LED green  Switching status indication  LED yellow  Status indicator  LED red  Setting options  IO-Link® Pushbutton  Ambient temperature with flexible cable installation  -20 °C70 °C  Degree of protection  IP65 IP68  LABS (PWIS) conformity  VDMA24364-B2-L  Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Product weight	19 g
Film material  Ready status indication  LED green  Switching status indication  LED yellow  Status indicator  LED red  Setting options  IO-Link® Pushbutton  Ambient temperature with flexible cable installation  -20 °C70 °C  Degree of protection  IP65 IP68  LABS (PWIS) conformity  VDMA24364-B2-L  Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Housing material	PA-reinforced Polyester
Ready status indication  LED green  Switching status indication  LED yellow  Status indicator  LED red  Setting options  IO-Link® Pushbutton  Ambient temperature with flexible cable installation  -20 °C70 °C  Degree of protection  IP65 IP68  LABS (PWIS) conformity  VDMA24364-B2-L  Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Material of union nut	Brass, nickel-plated
Switching status indication  LED yellow  Setting options  LED red  IO-Link® Pushbutton  -20 °C70 °C  Degree of protection  IP65 IP68  LABS (PWIS) conformity  VDMA24364-B2-L  Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Film material	Polyester
Status indicator  LED red  Setting options  IO-Link® Pushbutton  Ambient temperature with flexible cable installation  -20 °C70 °C  Degree of protection  IP65 IP68  LABS (PWIS) conformity  VDMA24364-B2-L  Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Ready status indication	LED green
Setting options  IO-Link® Pushbutton  Ambient temperature with flexible cable installation  -20 °C70 °C  Degree of protection  IP65 IP68  LABS (PWIS) conformity  VDMA24364-B2-L  Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Switching status indication	LED yellow
Pushbutton  -20 °C70 °C  Degree of protection  IP65 IP68  LABS (PWIS) conformity  VDMA24364-B2-L  Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Status indicator	
Degree of protection  IP65 IP68  LABS (PWIS) conformity  VDMA24364-B2-L  Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Setting options	
IP68  LABS (PWIS) conformity  VDMA24364-B2-L  Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Ambient temperature with flexible cable installation	
Suitability for the production of Li-ion batteries  Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Degree of protection	
from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	LABS (PWIS) conformity	VDMA24364-B2-L
Cleanroom class Class 4 according to ISO 14644-1	Suitability for the production of Li-ion batteries	from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and
•	Cleanroom class	Class 4 according to ISO 14644-1